

Title (en)

METHOD FOR PRODUCING A WEAR-ENDANGERED COMPONENT OF A TURBO-MACHINE

Title (de)

VERFAHREN ZUM HERSTELLEN EINES VERSCHLEIFSSGEFÄHRDETEN BAUTEILES EINER STRÖMUNGSMASCHINE

Title (fr)

PROCEDE POUR PRODUIRE UN COMPOSANT D'UNE TURBOMACHINE EXPOSE A L'USURE

Publication

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Application

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Abstract (en)

[origin: WO9939097A1] The invention relates to a method for producing a component of a turbo-machine, especially the blade of a water turbine or a liquid pump, with a wear-endangered area, comprising the following steps: the component is produced in a conventional manner, e.g. by means of casting and NC machining in addition to grinding; a cast is taken of at least the wear-endangered component to obtain a negative model; the wear-endangered area is removed in a defined manner from the full component thus produced; the wear part is produced using a negative model and by casting with a casting compound whose material properties meet the practical requirements; the wear part and the main part are joined to each other.

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